



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**

11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

H.B. Fuller Company
4401 Page Ave.
Michigan Center, MI 49524

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (in Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code including the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Millennium One Step™ Foamable Adhesive, Millennium One Step Green® Foamable Adhesive, Millennium PG-1 Low Viscosity Insulation Adhesive, Millennium PG-1 Pump Grade Adhesive, Millennium PG-1 Fleecback Membrane Adhesive, Millennium Hurricane Force Membrane Adhesive HS, Tri-Built One Step Foamable Adhesive, Tri-Built One Step Green Foamable Adhesive, Tri-Built PG-1 Pump Grade Adhesive, FTR 601 PG, and FTR 601.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 18-0509.14 and consists of pages 1 through 4.

The submitted documentation was reviewed by Hamley Pacheco, P.E.



NOA No.: 18-1109.02
Expiration Date: 07/24/23
Approval Date: 03/21/19
Page 1 of 4

ROOFING COMPONENT APPROVAL

Category: Roofing
Sub-Category: Cements, Adhesives and Coatings
Materials: Urethane

SCOPE:

This approves Millennium One Step™ Foamable Adhesive, Millennium One Step Green® Foamable Adhesive, Millennium PG-1 Low Viscosity Insulation Adhesive, Millennium PG-1 Pump Grade Adhesive, Millennium PG-1 Fleeceback Membrane Adhesive, Millennium Hurricane Force Membrane Adhesive HS, Tri-Built One Step Foamable Adhesive, Tri-Built One Step Green Foamable Adhesive, Tri-Built PG-1 Pump Grade Adhesive, FTR 601 PG, and FTR 601 made by H.B. Fuller Company, as described in this Notice of Acceptance. The use of this acceptance is limited to those roof assemblies where the components listed herein are specifically listed as an accepted component.

PRODUCT DESCRIPTION:

Millennium One Step™ Foamable Adhesive, Tri-Built One Step Foamable Adhesive & FTR 601:

Property	Standard	Properties
Tensile Strength	ASTM D 412	192 psi
Density (Component A)	ASTM D 1875	9.9 lbs. /gal.
Density (Component B)	ASTM D 1875	8.5 lbs. /gal.
Viscosity (Component A) 50 rpm	ASTM D 2556	2264 cP
Viscosity (Component B) 50 rpm	ASTM D 2556	1200 cP
Flexibility	ASTM D 816	Pass @ 70°F
Water Absorption	ASTM D 2842	Report
Flame Spread Index	ASTM E 84	10
Smoke Developed Index	ASTM E 84	30

Millennium PG-1 Low Viscosity Insulation Adhesive, Millennium PG-1 Pump Grade Adhesive, Millennium PG-1 Fleeceback Membrane Adhesive, Tri-Built PG-1 Pump Grade Adhesive & FTR 601 PG:

Property	Standard	Properties
Tensile Strength	ASTM D 412	186 psi
Density (Component A)	ASTM D 1875	10.4lbs./gal.
Density (Component B)	ASTM D 1875	8.4 lbs./gal.
Viscosity (Component A) 50 rpm	ASTM D 2556	720 cP
Viscosity (Component B) 50 rpm	ASTM D 2556	452 cP
Flexibility	ASTM D 816	Pass @ 70°F
Water Absorption	ASTM D 2842	Report
Flame Spread Index	ASTM E 84	20
Smoke Developed Index	ASTM E 84	35



Millennium One Step Green® Foamable Adhesive & Tri-Built One Step Green Foamable Adhesive:

Property	Standard	Properties
Tensile Strength	ASTM D 412	780 psi
Density (Component A)	ASTM D 1875	9.7 lbs. /gal.
Density (Component B)	ASTM D 1875	8.2 lbs. /gal.
Viscosity (Component A)	ASTM D 2556	2,864 cP
Viscosity (Component B)	ASTM D 2556	3,256 cP
Flexibility	ASTM D 816	Pass @ 70°F
Water Absorption	ASTM D 2842	Report
Flame Spread Index	ASTM E 84	30
Smoke Developed Index	ASTM E 84	15

Millennium Hurricane Force Membrane Adhesive HS:

Property	Standard	Properties
Tensile Strength	ASTM D 412	326 psi
Elongation	ASTM D 412	226 %
Density (Component A)	ASTM D 1875	1.1 g/ml.
Density (Component B)	ASTM D 1875	1.0 g/ml.
Peel Strength	ASTM D 1876	7.1 pli.
Viscosity (Component A)	ASTM D 2196	22,033 cps
Viscosity (Component B)	ASTM D 2196	19,533 cps

Note: The preceding physical properties are presented at typical average values as determined by accepted ASTM test methods and are subject to normal manufacturing variation. Numerical ratings as determined by ASTM Test Method E-84 are not intended to reflect hazards presented by this or any other material under actual fire conditions.

EVIDENCE SUBMITTED:

<u>Test Agency</u>	<u>Test Identifier</u>	<u>Test Specification</u>	<u>Date</u>
FM Approvals	3024311	Class 4470	11/01/06
	3036182	Class 4470	07/31/09
	3014751	Class 4450	08/27/03
Underwriters Laboratories, Inc.	R20739	UL 790	05/10/18
Trinity ERD	A42900.11.12	Physical Properties	11/09/12
	RAS-SC8075.01.15	Physical Properties	01/06/15
NEMO/etc.	4-RAS-18-001.05.18	Physical Properties	05/15/18

MANUFACTURING LOCATION:

1. Chagrin Falls, OH



LIMITATIONS:

Millennium Adhesives shall have a quality control testing program by an approved independent listing agency having unannounced follow-up visits. Follow up test results shall be made available to Miami-Dade Product Control upon request.

INSTALLATION:

Millennium Adhesives shall be installed in strict compliance with the Roof Assembly Notice of Acceptance, and manufacturer's published literature.

BUILDING PERMIT REQUIREMENTS:

As required by the Building Official or the applicable Building Code in order to properly evaluate the installation of this system. This Notice of Acceptance on its own cannot be used to obtain a building permit.

LABELING:

Millennium Adhesives shall be labeled in compliance with TAS 121 and shall bear the imprint or identifiable marking of the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved" or the Miami-Dade County Product Control Seal as shown below.



END OF THIS ACCEPTANCE

